

## Claims

1. Method for determining deviations of an end-system  
 5 message (17) of modular structure generated in a  
 hierarchically-structured end system of a  
 telecommunications device by comparison with a  
 reference message (7) with the following procedural  
 stages:

- 10 - reading in of a reference message (7),
- reading in of an end-system message (17),  
 generated in the end system,
- implementation of a message-structure analysis of  
 the reference message (7),
- 15 - implementation of a message-structure analysis of  
 the generated end-system message (17),
- determination of deviations of the end-system  
 message (17) from the reference message (7), and
- presentation of structural units (23, 24, 24.1<sub>END</sub>,  
 20 24.1.1<sub>END</sub>, 28) of the end-system message (17)  
 generated in the end system deviating by comparison  
 with the reference message (7).

2. Method according to claim 1,

25 **characterised in that**  
 identical structural units (29, 30) of the  
 reference message (7) and of the end-system message  
 (17) generated in the end system are additionally  
 presented, wherein the structural units (23, 24,  
 30 24.1<sub>END</sub>, 24.1.1<sub>END</sub>, 28) of the end-system message  
 (17) deviating from the reference message (7) are  
 presented in a manner graphically distinguishable  
 from the identical structural units (29, 30).

3. Method according to claim 1 or 2,  
**characterised in that**  
structural units (24.1<sub>REF</sub>, 24.1.1<sub>REF</sub>, 24.1.1.1<sub>REF</sub>,  
24.1.1.2<sub>REF</sub>, 24.1.1.3<sub>REF</sub>) only present in the  
5 reference message (7) are additionally presented in  
a manner graphically distinguishable from the other  
structural units.
4. Method according to any one of claims 1 to 3,  
10 **characterised in that**  
structural units (24.1<sub>END</sub>, 24.1.1<sub>END</sub>) only present in  
the generated end-system message (17) are presented  
in a manner graphically distinguishable from the  
other structural units.
- 15 5. Method according to any one of claims 1 to 4,  
**characterised in that**  
the structural units (23, 24, 24.1<sub>END</sub>, 24.1.1<sub>END</sub>,  
24.1<sub>REF</sub>, 24.1.1<sub>REF</sub>, 24.1.1.1<sub>REF</sub>, 24.1.1.2<sub>REF</sub>,  
20 24.1.1.3<sub>REF</sub>, 27, 29, 30) at least of the end-system  
message (17) are presented in a manner  
corresponding to the modular construction.
6. Method according to any one of claims 1 to 5,  
25 **characterised in that**  
the presentation is provided in a first region (20)  
of a screen display.
7. Method according to any one of claims 1 to 6,  
30 **characterised in that**  
the structural units (23, 24, 24.1<sub>END</sub>, 24.1.1<sub>END</sub>, 27,  
29, 30) of the end-system message (17) are  
presented in a second region (21), wherein the  
structural units (23, 24, 24.1<sub>END</sub>, 24.1.1<sub>END</sub>, 27)

deviating from the reference message (7) are presented in a manner distinguishable from the other structural units of the second region (21).

- 5    8.    Method according to any one of claims 1 to 7,  
         **characterised in that**  
         the structural units (23, 24, 24.1<sub>REF</sub>, 24.1.1<sub>REF</sub>,  
         24.1.1.1<sub>REF</sub>, 24.1.1.2<sub>REF</sub>, 24.1.1.3<sub>REF</sub>, 29, 30) of the  
         reference message (7) are presented in a third  
10    region (22), wherein the structural units (23, 24,  
         24.1<sub>REF</sub>, 24.1.1<sub>REF</sub>, 24.1.1.1<sub>REF</sub>, 24.1.1.2<sub>REF</sub>,  
         24.1.1.3<sub>REF</sub>) deviating from the end-system message  
         (17) are presented in a manner distinguishable from  
         the other structural units of the third region.
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9.    Digital storage medium with electronically-readable  
         control signals, which can co-operate with a  
         programmable computer or digital signal processor  
         in such a manner that the method according to any  
20    one of claims 1 to 8 is implemented.
10.   Computer software with program-code means for the  
         implementation of all stages according to any one  
         of claims 1 to 8, when the software is run on a  
25    computer or a digital signal processor.
11.   Computer software with program-code means, for the  
         implementation of all stages according to any one  
         of claims 1 to 8, when the software is stored on a  
30    machine-readable data carrier.
12.   Computer software product with program-code means  
         stored on a machine-readable data carrier, for the  
         implementation of all stages according to any one

of claims 1 to 8, when the software is run on a computer or a digital signal processor.